$ 1.50

denver apple pi Seed

Newsletter for Denver's Apple users

Volume 7 Number 3 MARCH 1985

New Membership type

A few months back the board of directors amended the bylaws to include a new type of membership. This new membership was designed to make it easy for schools, scouts, or any other group to belong to Apple Pi. If you are a teacher or other interested person you may contact Bob Hein or Randall Ansley for more information.

AMENDMENT TO APPLE PI BYLAWS

4. Associate Member: a school club, other similar special interest group (Scouts, 4-H, etc,), or any other group of individuals who wish to participate in Denver Apple Pi as a group may become an associate member of Denver Apple Pi.

Dues and fees: the group shall pay associate membership dues and fees as set by the Board of Directors. Additionally, each participating member of the group shall pay an additional fee per year if that person wishes to recieve a personal copy of the club newsletter and Apple Pi club card.

Rights and privleges: VOTING - an associate member group shall have one (1) vote. It shall be the responsibility of the group to deturmin among themselves that vote shall be cast. One member of the group shall be designated to cast that vote, in perdon or by proxy.
SEED - One copy of the Seed (newsletter) will be sent to the associate member group and each paid member of the group.
APPLE PI SERVICES - A designated representitive of the associate member group shall have access to the Apple Pi Library and Store. This person will make one purchase and have all the disks to be copied at one time as not to over burden the normal operations. Associate members are encouraged to contribute to the library like regular members. Each associate member group shall receive one copy of the club bylaws on disk and a copy of the program library lister disk.
HOLDING OFFICE - participating members of an associate member group may volunteer to serve as an officer of Denver Apple Pi for those offices which do not involve membership in the Board of Directors. An individual desiring to run for an office on the Board of Directors must first become a regular member, as stipulated elsewhere in the Bylaws.

Responsibilities: The associate member group will supply the Denver Apple Pi secretary with a complete and accurate list of the participating club members, including names, addresses and phone numbers, and will update this list every six (6) months. The associate member club (ans its individual members) agree to abide by all rules, regulations, and bylaws of Denver Apple Pi.

Fees:

Membership fee:	$ 10.00
Annual Dues:	18.00
Individual Fees:	6.00

$2

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+:+:+:

$3

by Randall Ansley

It was a cold dark night, wind howling, snow falling, Just the kind of night that you should stay in and play the latest computer game. Oh No! You booted the disk and nothing happened. You used the best copier available over at your friends house and you were sure you got a good copy of this popular new game. Oh well, put on your coat and go back to your friends house and try again.

As you approach the front door you hear a bull horn..."Okay in there, we know you've been copying software". You notice three men from the swat team on the roof as the bull horn comes on again, "Give yourself up before someone gets hurt, though out your nibble copiers and come out with your hands in the air!". Just then something is thrown through the window. A voice shrieks from inside "you will never take me alive you copyright cops!". Just then a puff of smoke from the roof and a member of the swat team paints another CPU on the side of his rifle. "We got 'em boys, another pirate has been put out of business!" You look around for someplace to hide. You worry about weather or not your friend will spill his guts and tell the copyright cops about your involvement. Will you be ever safe again? You can run but can you hide? Oh why did you ever think you could get away with pirating software?

Of course this is a little far fetched but there are a lot of people out there that don't know or understand the copyright laws. You cannot go to jail for a copyright violation and you will not be chased down by a swat team. The copyright laws are not designed to protect society but rather the rights of the copyright owner.

What is a copyright anyway? The U. S. Government provides manufacturing protection for inventors through the U. S. Patent office. Similarly, protection to authors, playwright, film makers, musicians, computer programmers and others is provided though the Library of Congress. In the simplest of terms copyright laws give the owner of the copyright exclusive rights to control how his or her work is duplicated.

When a work is first created copyright protection is automatic. In 1978 the U. S. Congress made it easy to obtain copyright protection. All you need do is place the © or the word COPYRIGHT and your name and the year on the item. Copyright law if is in effect even if you do not use this notice but you may find it hard to prove that you wanted to keep the work controlled if you do not have the notice. To claim a copyright in a lawsuit the material needs to be registered with the Library of Congress. This is a simple process of filling out a form and shelling out $10.00 filling fee.

What kind of protection can a copyright provide? The law is designed to help the authors and creators or original works recover damages when there material is used by people without permission or payment. The copyright cops will not seek you out but the legal owner can take you to court and could win a substantial cash award.

It may be wise at this point to point out just what type of things a copyright will cover. Books, magazines, and periodicals are obviously covered but copyright laws also include the protection of music, computer programs, photography, art, drama, and sculpture, just to name a few. Although the copyright office protects a broad range of original works, it does not cover everything. Trade names and most logos are not covered by copyright, but rather by trade mark, and that falls under the patent office rather than the Library of Congress.

When I buy a computer program what are my rights? You have the right to full use of the program including the making of copies for your archives. The copyright holder may try to tell you that you may not make a copy of any kind but that is not the case. You do not have the right to distribute copies unless you are selling all copies at once along with all documentation etc.

How do I go about getting my own programs copyrighted? In 1978 new

copyright laws went into effect making it easier to obtain a copyright. All you need do is create something, and affix the copyright notice. Your copyright is automatic for your lifetime plus 50 years. If you do not register your program (or other works) with the Library of Congress then you will not be able to bring any infringement suits to federal court. Registration is easy, all you need do is send three items to the copyright office in one envelope or package:

1. A properly filed out form (form TX for software).
2. A fee of $10.00 for each application.
3. A sample of the work being registered.

If your programs hardcopy is massive you can just send in the first 25 and last 25 pages. The copyright office believes that the best representation of the authorip in a computer program is a listing of the source code. Your program and the documentation are two separate items and need be copyrighted as such however updates can be registered as part of the original work.

If you are unwilling to unable to send source code registration will proceed under the "RULE OF DOUBT" policy. What that boils down to is that you decliare that the object code you submit contains copyrightable authorship.

On your disks or other machine readable copies, you need to place the copyright notice in special places. The notice must appear near the title or at the end of the work. A notice that is displayed on the terminal should be done at sign on. You should also place the notice on the disk label. The copyright notice should be a C in a circle or the word "Copyright". A (C) is not acceptable, the C must be in a circle.

If you would like more information on copyrights you can write to:

U. S. Copyright Office
Library of Congress
Washington, D.C. 20599

Ask for Circular R1 (Basics), R61 (computer programs), Forms TX, and a copy of public law 94-553 of the 94th U.S. Congress.

Having your work copyrighted will not guarantee that people will not copy your work. It will however give you legal protection should you need to protect your programs in court. Unfortunately you will not be able to call in the copyright swat teem.

LINK NEWSLETTER

Are you a serious Apple // programmer? Do you wake up in the middle of the night with great new subroutines? Would you rather have 512K than a whole plate full of hot chocolate chip cookies? Then you want to start receiving Link! Link is published monthly for advanced Apple // programmers. Each month Link provides information, tips and listings for Assembly language, advanced BASIC, and other language programmers. Link, more than just a newsletter, is an information vehicle for serious programmers from all over this country and several other countries. If you are truly serious about your programming then we would like to 'link' you up with the rest of us!

☐ Yes send me LINK! I have enclosed $12.00 for 12 issues of Link.

☐ Yes send me LINK! Please bill my VISA/MC My number is:

_____ Ex. Date _____

☐ Yes send me Link! I am outside the U.S.A. and have enclosed $22.00 (US funds) for 12 issues of Link and the extra postage.

☐ No I don't want Link! I just bought an assembler to impress my friends.

Name _____

Address _____

City/St _____ Zip _____

LINK Newsletter
P.O.Box 272
Westminster, CO 80030

President notes

Due to the extremely heavy requirement for disk copies at the CORE Meets, the Board of Directors has approved an additional Apple IIe for use in making copy requests. This will be available at the March CORE Meet. It is unfortunate that it was necessary to stop disk copy requests so early in the afternoon during the February CORE Meet. As it was, the librarian was copying until 3:30 p.m. A word to those who want to avoid the rush, come early in the morning for the least delay.

So far we have the following persons running for offices for the next term:

President: Andre' vanMeulebrouck
Vice President: Tom Angelos
Secretary: OPEN
Treasurer: OPEN
Officer-at-large: Roy Dean, Art Vallee

If you feel you can fulfill one of these positions that is open, please contact me so we can review the job and its content with you.

Apple PI is a club of 750+ users. It exists due to the efforts of a few individuals. Your participation in the club is necessary for it to exist. If you don't like what is currently happening, now is your time to change it, run for an office. Better yet, volunteer your time to help one of the officers do their job easier. It takes a lot of time to operate a club this size and help is always encouraged. The officers receive no renumeration for their work. And finally, its a great way to meet some really nice people. You don't even have to know how to program in Applesoft, Basic, or Pascal.

Remember the March CORE Meet is also a member's garage sale for their used, un-needed equipment and software.

denver apple pi

BUGS of the MONTH

ERRATA ON ASSEMBLY ARTICLE

The article on Assembly that I wrote, which appeared in the February SEED has a mistake in it. I must have zapped a line when editing.

In the example of a DOS command for people who do not have ORCA/M, insert this line:

```
JSR   COUT  ! OUTPUT CHARACTER
```

after this line:

```
BEQ   DONE
```

Also, if you don't have ORCA/M there is no reason to have the KEEP directive in that example. Eliminate the line:

```
KEEP 'SAMPLE.PROGRAM',V254
```

unless your assembler supports this directive the same way ORCA/M does to save the assembler's output to disk.

Andre'

ERRATA ON BASIC PROGRAM

The program used in the Green Apples section of the Feb. Seed came from a bigger program and the subroutines lived in another place. To fix this change the subroutine line address in three lines:

Line 814 the gosub should be GOSUB 880
Line 819 the gosub should be GOSUB 890
Line 824 the gosub should be GOSUB 890

Tres. $

INCOME		
New Members		308.00
Renewal Members		270.00
DOM Sales		345.00
Library Copies		114.00
Sales of Supplies		2702.50
Seed Advertising		50.00
Interest Earned		23.21
TOTAL INCOME		3812.71
EXPENSE		
Supplies for Resale		1643.50
Hot Line		52.27
CSM Room Rent		0.00
Printing Costs		1150.00
Postage		85.92
Supplies & Copies		13.26
BBS Expense		0.00
State Sales Tax		260.71
Christmas Party		72.39
Equipment Rental		247.20
TOTAL EXPENSE		3525.25
ENDING CASH BALANCE	1-31-85	4825.05
ASSETS	1-31-85	
Cash on Hand		25.00
Cash in Bank		4825.05
Inventory for Resale		3759.55
Prepaid Expense		381.03
Accounts Receivable		0.00
Equipment		0.00
Total Assets		8990.63
LIABILITIES		
Sales Tax Accrued		139.80
Accounts Payable		0.00
Unposted Income		0.00
Total Liabilities		139.80
NET WORTH		8850.83

THANK YOU...

When you stop by a member store, thank them for the support they give to Denver Apple Pi.

Welcome a new store member on board, The Computer Conection.

adam's computers, inc.

3355 So. Wadsworth Blvd.
Lakewood, CO 80227 (303) 986-9655

colorado Computer Systems, Inc.

3005 West 74th Avenue
Westminster, CO 80030 (303) 426-5880

ComputerLand®

8749 Wadsworth Blvd.
Arvada, CO 80003 (303) 420-1877

ComputerLand®

2422 So. Colorado Blvd.
Denver, CO 80222 (303) 759-9140

The Neighborhood COMPUTER STORE

13045 West Alameda Parkway
Lakewood, CO 80228 (303) 988-9140

JOHNNY APPLESEED

Dear John,

I wrote a program to be used by people who go to dog shows. The program will let the people keep track of the points that the dogs win at each show. When I run the program somthing funny happens, as it loads in the DATA from a text file (about 75 records) it is ok but when it starts to crunch the data into the form I want I get an OUT OR MEMORY ERR! I'm sure I have lots of memory left. What is going on?

Only 64k

Dear Only,

It sounds like you may have used up your stack space. The Apple uses a part of memory called the stack to keep track of thinks like FOR/NEXT loops and Subroutines. For instance when you call a subroutine the return address is placed on the stack so the program flow knows where to go when it encounters the RETURN. You can get an OUT OF MEMORY ERR is you have too many nested subroutines (subroutines called by other subroutines). Another common way people run into this problem is if they do not resolve FOR/NEXT loops. If you do this:

```
100  FOR I = 1 to 1000
110  READ  STUFF$(I)
120  IF STUFF$(I) = "DONE" THEN 150
130  NEXT I
```

This loop will never be resolved and the stack will hold junk. To get around this problem try this:

```
120  IF STUFF$(I) = "DONE" THEN I = 1000
```

You may need a little more houskeeping code but this will resolve the stack problem.

John

Dear John,

I have heard that you can use the back of a disk if you punch out a new notch on the lable side of the disk. I have also heard that it is not a good idea to do this because the disk turns in the wrong direction. Well what is the truth? Is it ok or not to use the back of disks???

Flip Side

Dear Mr. Side,

Yes you can use the back or disks and Yes you could have probelms. When you use the back of a disk it turns in the opposite direction and this can dislodge dirt and cause some problems. I recomend that if you only use the backs of disks that you only do so on siks that you do not use often like your backup disks.

John

Dear John,

I have heard that there is a upgrade kit for the Apple //e. WHat will this upgrade do and where do I get it?

New-rev.

Dear New-rev.,

Yes Apple has an upgrade kit and it should be available to //e owners soon. This kit contains a 65c02 CPU, new $F8 ROMs and a new vidio ROM. The upgrade is being made available to make the //e more //c compatable and allow for mouse use.

John

Questions? Send them to:

Johnny Appleseed
% Denver Apple Pi
P.O. Box 17467
Denver, Colorado 80217-0467

VP SNEAKS

Thursday, 7 Mar 85, 7 p.m., School of Mines Greene Center.

The March meeting will feature Mike Westerfield, who is the author of ORCA/M (the best 6502 assembler in the world), Crypto, and a double hi-res package.

Thursday, 3 Apr 85, 7 p.m., School of Mines Greene Center.

The April meeting is only tentatively planned. I am working on getting Dr. Chivington to talk about holographic memory systems. Holography involoves making 3-D images using two lasers and two sources of light. If you cut a piece of holographic film, you can see the entire image it was a part of (from the perspective of the piece you have).

Thursday, 2 Apr 85, 7 p.m., School of Mines Greene Center.

This meeting will be the last I will plan, and will be my last month as VP. This meeting will be whatever was not shown that I wanted to have demonstrated. Possibly MAUG, since the person that was going to show that could not make the meeting, and, other software demonstrations.

Rana 8086 drives will not be demonstrated as Rana has recalled them all. It may turn out to never become a viable product.

Alan Kay, of Apple computer, one of the minds behind Macintosh and Lisa technology, and inventor of the language Smalltalk has responded to my invitation. I will be working on arranging the details of a visit from Alan Kay. The soonest he will be available is June. Even though this will occur during someone else's term as vice president, I will make sure the arrangements are made.

** VP **

☆ contest! ☆

The Seed is having a programming contest! What we want is Applesoft BASIC programs with no more than 5 lines of code. That's right only 5 lines. How much can you get out of only 5 lines? We will print the 1st, 2nd, and 3rd place winners in the Seed along with the programs. And as if this was not enough there will br prizes! 1st place will win a library storage case. 2nd place will win a box of 10 ESK diskettes and 3rd place will win a DOM. All the programs will be put on disk and made available to members. So what are you waiting for....show us what you can do with 5 lines. Contest ends March 10th. Bring your entry in on disk, over the modem on the BBS or mail in hard copy. You may chain as much to a line as you can but please no Binary code appended to the program.

☆ ☆

FREE 30 DAY TRIAL

OF

Snowfile

Snowfile is an easy-to-use database program that is designed to handle all of your filing needs. Snowfile can store a phone list, a mailing list, an inventory list, or any other file you could keep on paper in a conventional filing cabinet. Best of all, you don't have to know a lot about your computer to operate Snowfile. One Snowfile user said "I learned enough to get me going in it within 1 minute without reading much of the directions."

In the software market today, it's hard to find good software for a reasonable price. That's why we think it's a good idea to have a 30 day free trial option on software.

Here's how it works: all you have to do is complete the coupon below and send it to us. We'll mail you a trial copy of Snowfile right away. Try it for 30 days. If you decide Snowfile isn't right for you, just send it back to us at the end of 30 days and you owe nothing. If you decide to keep it, just send us a check for $29.95. If we haven't received a response from you within 45 days, we'll assume you wish to keep Snowfile and we'll invoice you for $29.95. Sound easy? It is.

Snowfile works on any Apple //c, //e, or 64K][+. Send in your coupon today.

___ Yes, I'd like to give Snowfile a try. Please send me a copy to try for 30 days. At the end of 30 days, I will return the copy or send you a check for $29.95.

I have an Apple: (__) //c (__) //e (__) //+

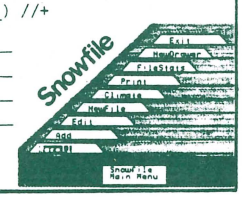
Name: _____

Address: _____

City: _____ State: _____

Zip: _____ Home phone: _____

MAIL TO: SNOWBOUND TECHNOLOGIES
11735 WEST 72ND PLACE
ARVADA, CO 80005



LIBRARIAN'S REPORT

By now, most of you who purchased a February Disk-of-the-Month have probably noticed that most of the programs on the disk don't work. I'm not exactly sure why that happened, but I suspect a disk drive probably. We will be glad to trade you for a working DOM at the March meeting. We're sorry for any problems this may have caused.

I am sorry to report that this month we lost a man who had done some really wonderful things for Apple Pi. Rich Waite, who had been with Apple Pi for almost 2 years, has had to leave us because of a lack of free time. We all appreciate what Rich did for the club, and we will miss him. If you get a chance, be sure to thank Rich for his dedication!

Those of you that came to the February Core Meeting probably noticed that we now have Copy Request Forms that must be completed in order to get copies from the library. Along with this new form also comes a restriction, restricting all members to a maximum number of 20 copies per day. We really feel that this will help reduce copy lines.

Also at the February Core Meeting, we had to stop accepting copy requests at 2:10 in the afternoon so that we would finish somewhere around 3:00, but even stopping copy requests at 2:10, we were still doing copies at 3:30. We apologize for any inconvience, but we have to do this to get out of the building in time. It is possible that this will also be done in future months, so if you want copies from the library try to get to the meeting as soon as possible!

-- Trent Hein. Librarian --

REVIEW

Product: TAXPAK - 85

TAXPAK is an excellent basic tax preparation program supporting Form 1040 and schedules A, B, C, G, SE and W. TAXPAC operates with a spreadsheet format moving figures from form to form when necessary, thus eliminating the chance for human error.

When you frist boot up the disk you will be presented with the Main Menu offering you a choice:

1) Instructions
2) Setting up a system
3) Working with Tax forms
4) Quitting

Once you have read and understand the TAXPAK - 85 manual you should be able to skip option 1. Option 2, setting up the system, addresses your computer's configurations and basic information required to set up your file. Once you have completed option 2 you will not need to use this option again unless you need to make a change in your marital status, number of dependents or address.

it is now time to set up ypur file so you will move on to option 3, Working With Tax Forms. Because this is the most used option it has been set up with a defalt option. This is indicated by the around number 3. When you choose this option, the FORM SELECTION MENU will appear and you will choose option 4, Form 1040, Schedules A and B. At this time you will have a chance to choose your filling status, number of exemptions and actually start plugging in your data for the 1040 form.

As you enter the information you will notice there is a Status Line on the bottom of the screen. This Line reflects the change in your tax liability with each entry. You are able to see how much money each deduction saves you or how much more you owe because of that second income. TAXPAK contains the 1984 TAX TABLES and TAX RATE SCHEDULES needed for you to prepare your 1984 returns and aomaically uses them when computing your returns.

In summary, TAXPAK ia an exellent tax preparation program for anyone who understands the tax system. As stated in the TAXPAK - 85 manual, "While TAXPAK greatly eases the task of filling out tax forms, you should keep in mind that it is only a tool that does what you ask of it. It does not offer tax advice, and is not a substitute for thinking." Good luck with your 1984 taxes.

by Ina Levinson

Got a printer that will print in Italics? Love AppleWorks but wish it would print just what you want in Italics instead of having to set your printer in Italics for the entire document?

Well, thanks to a really (!!) rotten review of AppleWorks in the July issue of Apple Orchard and a little tracking on my part, I've found a way to have AppleWorks do italics where, and when, you want it. All it takes is a change in the values of some of the Printer Options that you don't use. And, the following are the steps.

From the Main Menu, you chose Option 5, Other Activities. You will be shown another Menu and you should chose option 7, Specify Information About Your Printer.

Another menu is shown and you chose option 2, Add a Printer. Since AppleWorks just LOVES menus, once again you get a menu and you should chose option 11, Custom Printer. You will be asked to give the printer a name, such as Home or such. Use a name that will be meaningful to you. Now you'll be asked how the printer is accessed. My printer card is in slot 1, so that was my response. (Remember, all the other factors for your printer will remain the same, so while you are creating a new Printer Type, it's really the old one with some new capabilities.)

Since AppleWorks is so hot on menus, after choosing the printer slot a new screen is shown:

1) Needs linefeed after each return.
2) Accepts top-of-page commands.
3) Stop at end of each page.
4) Platen width.....8.0 inches
5) Printer codes

Some of these require a yes or no answer. If you're in doubt about what your current printer requires (don't forget, except for adding some new stuff in a minute, these are going to be identical) you can go through what we've done so far on your current printer to find out. The only difference is that instead of ADDING a printer, you chose the option to CHANGE printer specifications on your current printer. Be careful NOT to change anything though!

Another (!!!!) new screen is shown which shows you that you can change 1) characters per inch; 2) lines per inch; 3) boldface, subscripts and superscripts; and 4) underlining. Choose either #3 or #4, whichever you don't use too often. I choose #3 because I don't use superscripts at all.

A new screen, "Enhancements", gives six options. Choosing #5, superscript begin, another screen shows what, if any, the current control characters are. At this point, type in EXACTLY what your printer requires to turn on the italics. For example, if the sequence were ESC 4, you would use the escape key and the number 4 (NO spaces), ending with the '^' key (over the #6). You are returned to the Enhancements menu and choosing #6, Superscript End, enter the sequence that will turn italics off.

After you are returned to the Enhancements Menu, use the Escape key to return to the main menu and give this a try. Go back into your document and, using Open- Apple O use the Superscript Begin and Superscript End options to mark your text for italics. Then print your document, selecting the NEW printer.

By the way, the same basic premise also is used if you, for example, wanted to print your entire document in BOLD print. By changing the printer code for 10-to-the-inch and being sure to specify 10-to-the-inch at the beginning of your document, you can print the entire document as BOLDLY as you would like.

Give these a try and see what can happen. Good Luck!

APPLE PI MEMBERSHIP DIRECTORY QUESTIONNAIRE

Please complete this form and mail it to Apple Pi, P.O. Box 17467, Denver, CO 80217 or hand it to any officer at any meeting. Initial deadline is 15-Mar-85.

(REQUIRED) Name: _____

(REQUIRED) City: _____

(Optional) Street Address: _____

(Optional) Zip code: _____ Home telephone: ____-____-_____

PLEASE CHECK THE CATEGORIES YOU ARE INTERESTED IN ONCE. PLEASE CHECK THE CATEGORIES YOU ARE WILLING TO HELP OTHERS IN TWICE.

A. _____ BUSINESS
B. _____ DATA MANAGEMENT/STORAGE
C. _____ EDUCATION
D. _____ GAMES
E. _____ MATHEMATICS
F. _____ CP/M
G. _____ BASIC
H. _____ FORTRAN
I. _____ MACHINE LANGUAGE
J. _____ PASCAL
K. _____ TELECOMMUNICATIONS
L. _____ UTILITIES
M. _____ WORD PROCESSING
N. _____ MacINTOSH
O. _____ LISA
P. _____ APPLE ///
Q. _____ COMPUTER ART/GRAPHICS DESIGN
R. _____ ENGINEERING
S. _____ INVESTING/TAXES
T. _____ PRODOS

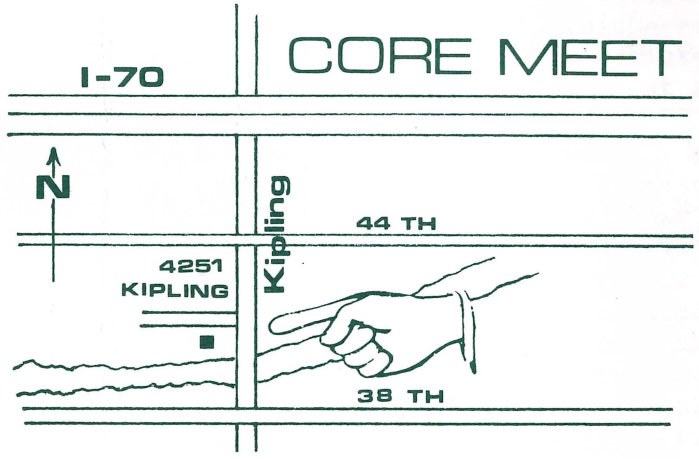
Would you be willing to serve on a nominating committee for next years officers??:

Would you be willing to run for an office in the future???:

Would you be willing to assist one of the present officers???:

GARGE SALE

At the CORE MEET MARCH 10th



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Denver, CO 80217

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PERMIT NO. 3182

Price $1.50